"Ok to enter" JP

CLAIMS

The following Listing of Claims will replace all prior versions and listings of the claims.

1-76 (Cancelled).

77. (Currently amended) A method of managing a plurality of occupants including visitors of a multi-floored building with each floor having a plurality of areas during an emergency event, the method comprising:

(a) generating a data structure having a hierarchical representation of the multi-floored building, with each floor being represented by a floor node and each of the plurality of areas of each floor being represented by an area node that is relationally associated to the floor node;

(b) generating in the data structure an occupant node for each occupant in the multi-floored building and relationally associating the occupant node with one or more area nodes of a floor of the multi-floored building;

(c) generating in the data structure one or more device nodes for each occupant in the multi-floored building and relationally associating the device nodes to the occupant node for that occupant, each of the device nodes including device information for a device correlated to an area of a floor at which to contact the occupant;

(d) retrieving device information from one or more device nodes of the data structure in an emergency event that affects at least one area of at least one floor;

(e) contacting each occupant via a device associated with the retrieved device information to determine the status of that occupant at an area of a floor associated with that occupant;

(f) determining the area of the floor at which each occupant is located based on the device via which the occupant is contacted or occupant's entry using the device;

(g) receiving evacuation information from [[the]] a contacted occupant relating to the determined area of the floor at which the occupant is located; and

(h) using received evacuation information relating to the determined area of the floor in contacting other occupants.

78-90 (Cancelled).

91. (Currently amended) A program storage device tangibly embodying a program of instructions executable by a machine to manage a plurality of occupants of a multi-floored building with each floor having a plurality of areas during an emergency event, the instructions comprising:

(a) generating a data structure having a hierarchical representation of the multi-floored building, with each floor being represented by a floor node and each of the plurality of areas of each floor being represented by an area node that is relationally associated to the floor node;

(b) generating in the data structure an occupant node for each occupant in the multi-floored building and relationally associating the occupant node with one or more area nodes of a floor of the multi-floored building;

(c) generating in the data structure one or more device nodes for each occupant in the multi-floored building and relationally associating the device nodes to the occupant node for that occupant, each of the device nodes including device information for a device correlated to an area of a floor at which to contact the occupant;

(d) retrieving device information from one or more device nodes of the data structure in an emergency event that affects at least one area of at least one floor;

(e) contacting each occupant via a device associated with the retrieved device information to determine the status of that occupant at an area of a floor associated with that occupant;

(f) determining the area of the floor at which each occupant is located based on the device via which the occupant is contacted or occupant's entry using the device;

(g) receiving evacuation information from [[the]] a contacted occupant relating to the determined area of the floor at which the occupant is located; and

(h) using received evacuation information relating to the determined area of the floor in contacting other occupants.

92-94 (Cancelled).